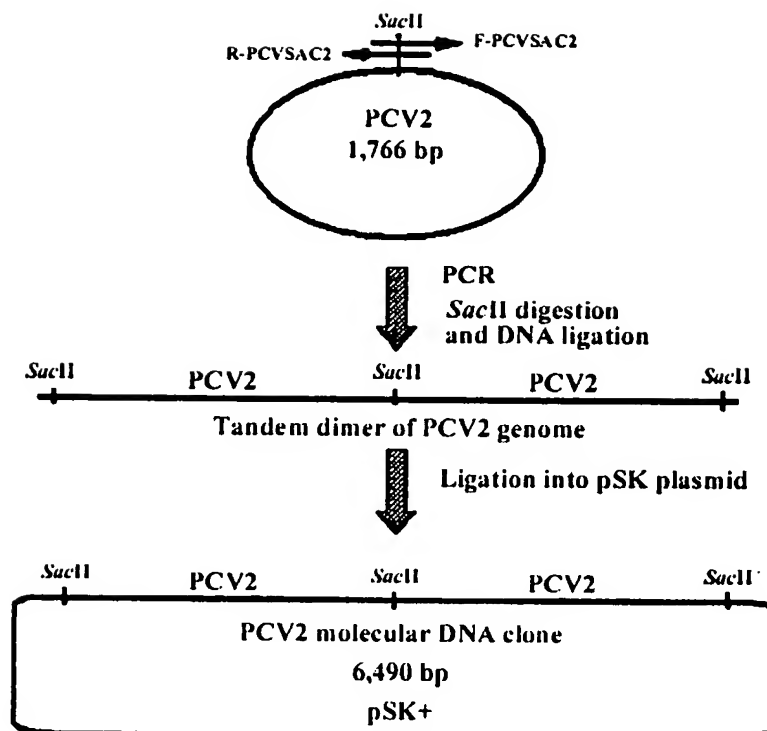


Fig. 1



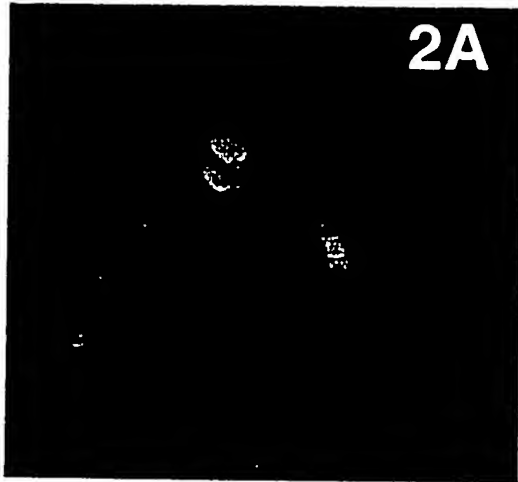


Fig. 2A

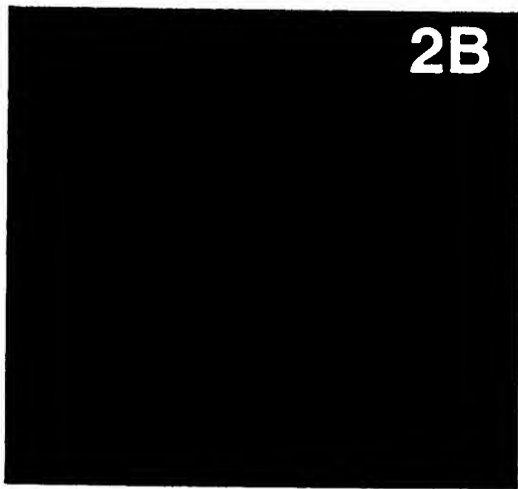
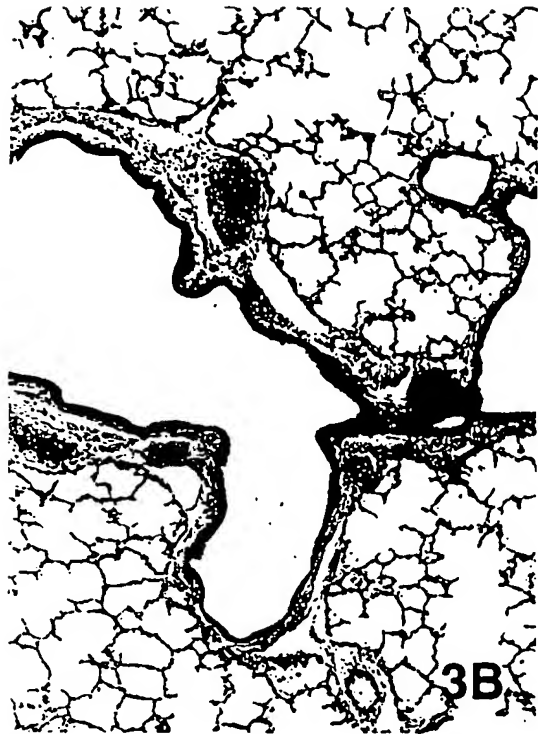


Fig. 2B

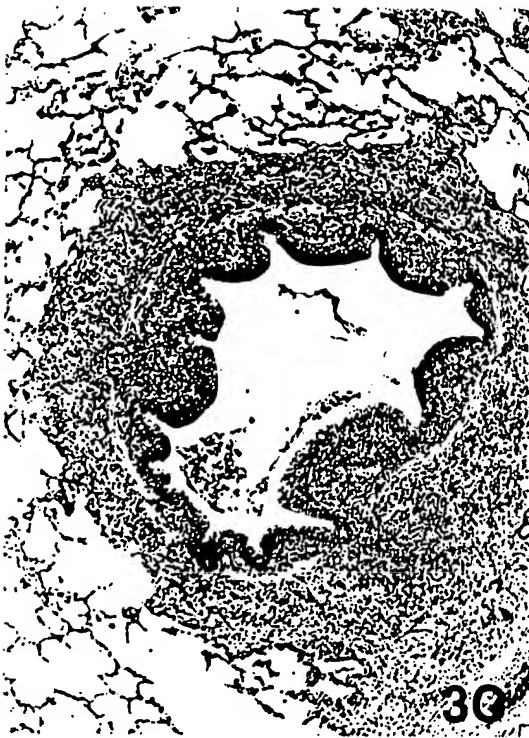
Figs. 3A - 3D



3A



3B

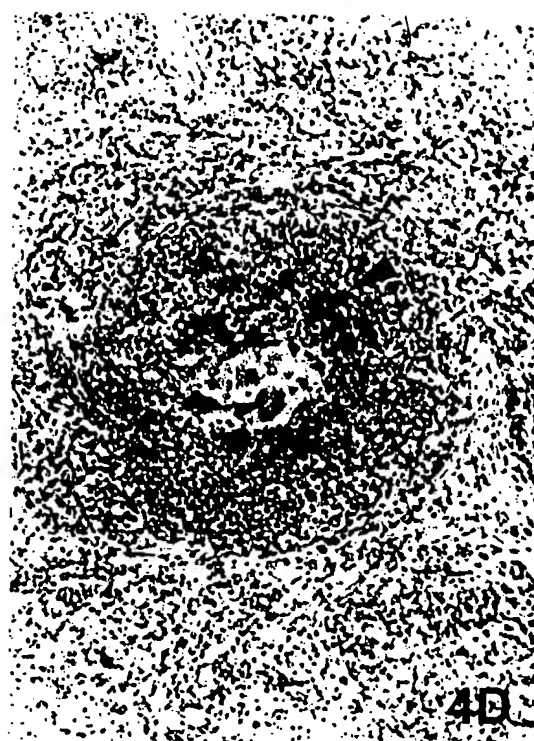
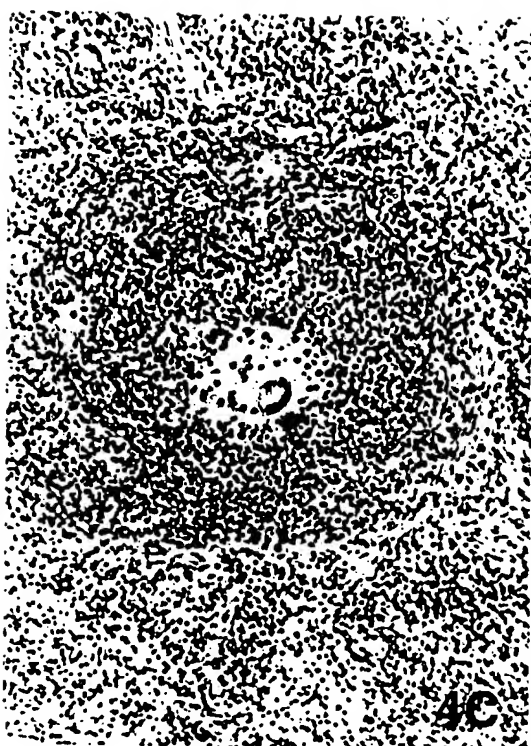
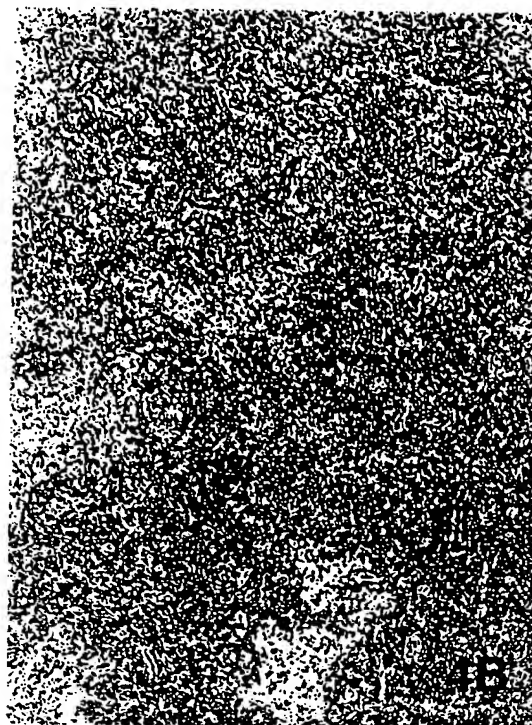
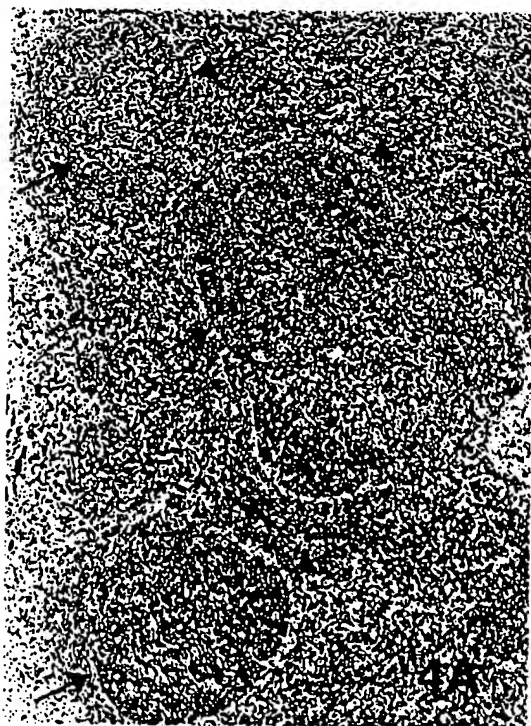


3C



3D

Figs. 4A - 4D



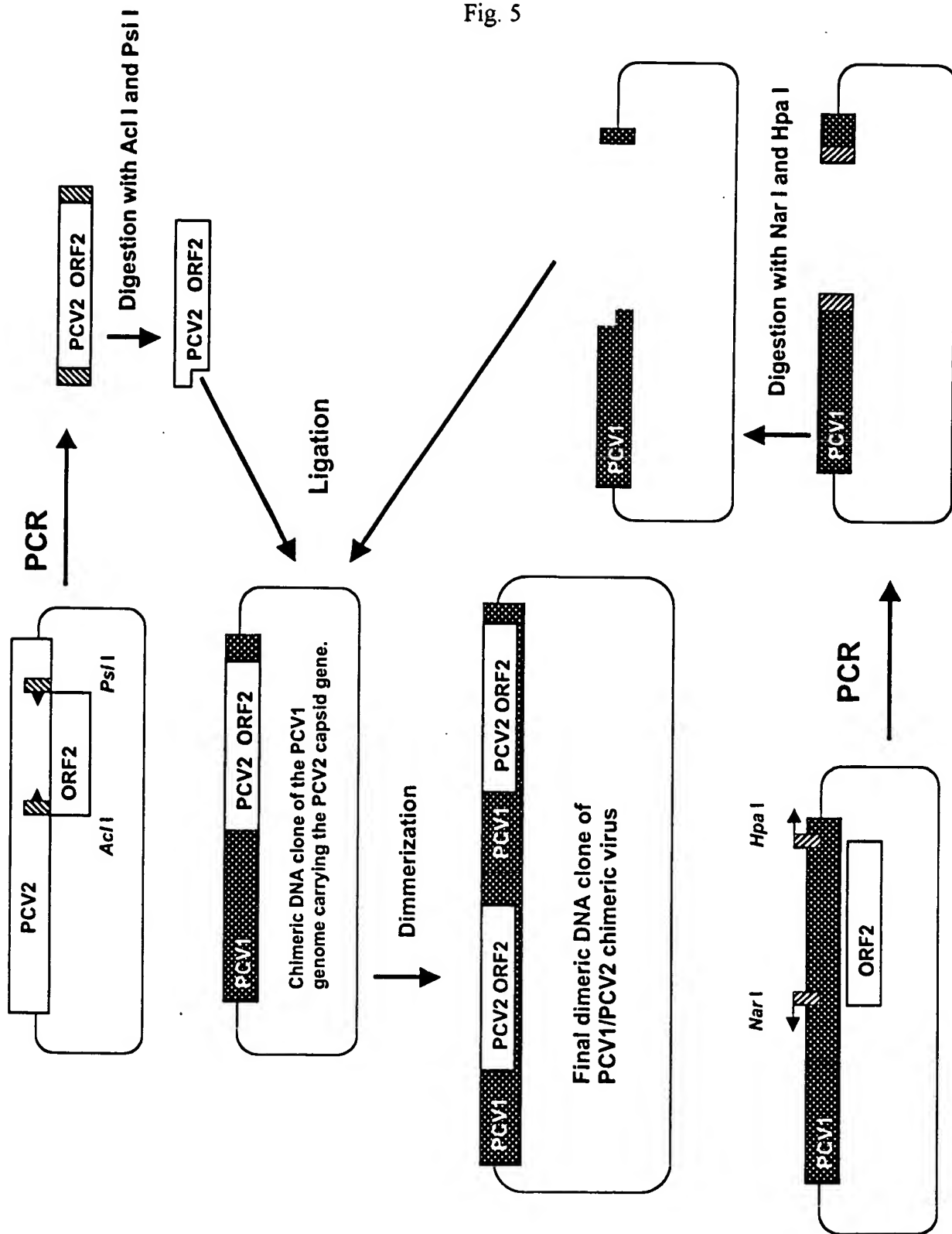
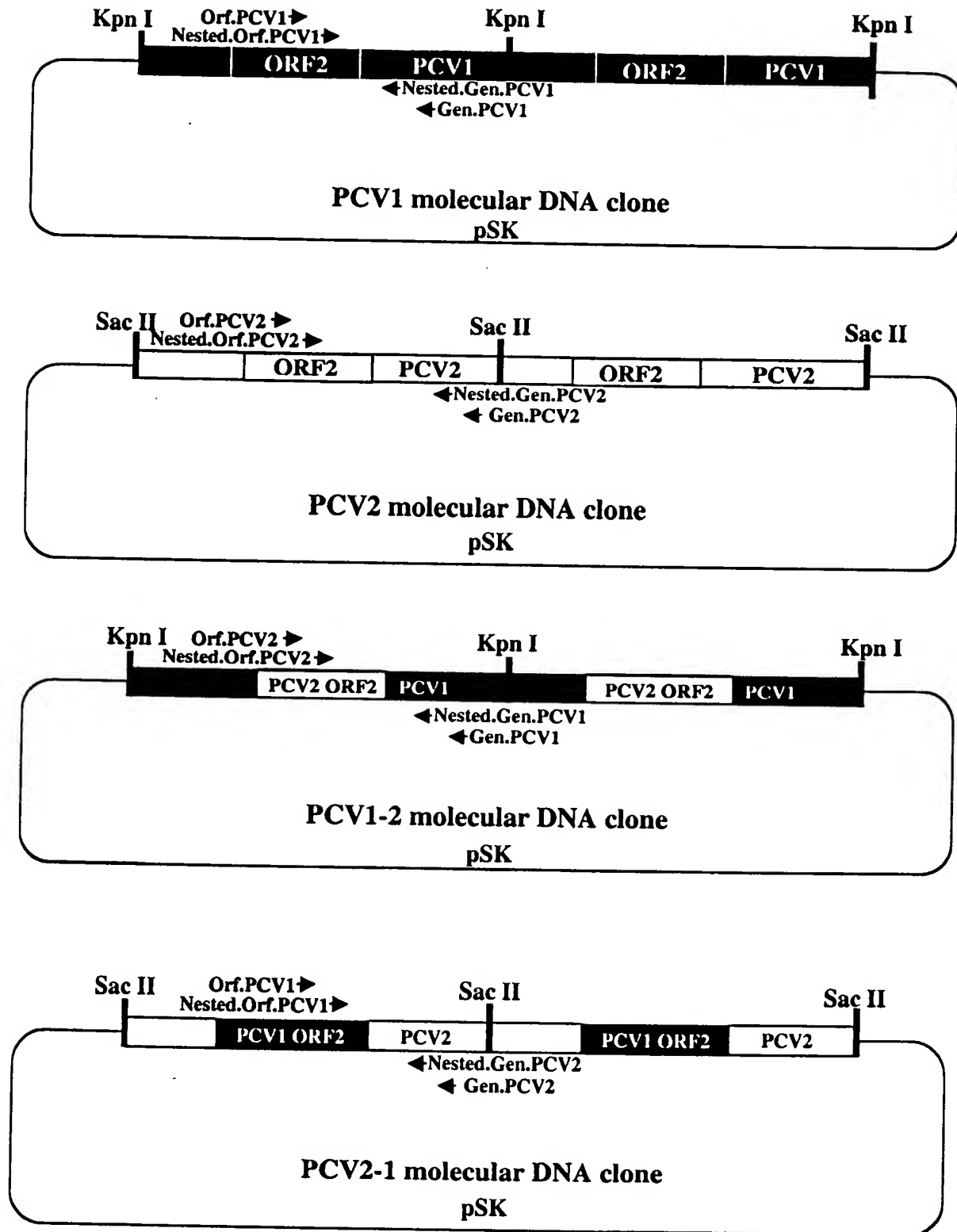


Fig. 5

Fig. 6



Figs. 7A - 7J

IFA with
anti-PCV1 ORF2

IFA with
anti-PCV2

Fig. 7A



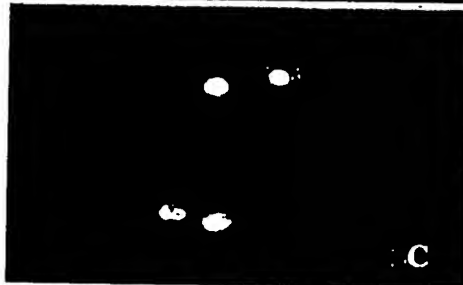
A

Fig. 7B



B

Fig. 7C



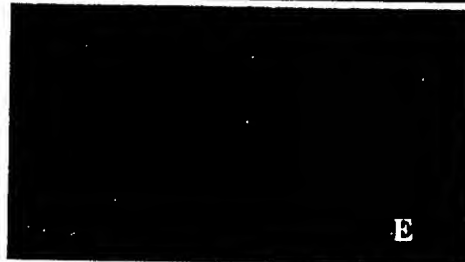
C

Fig. 7D



D

Fig. 7E



E

Fig. 7F



F

Fig. 7G



G

Fig. 7H



H

Fig. 7I



I

Fig. 7J



J

Fig. 8

AAATTTCTGACAAACGTTACAGGGTGCTGCTCTGCAACGGTCACCAGACTCCCGCTCTCC
AACAAGGTACTCACAGCAGTAGACAGGTCACTCCGTTGTCCTTGAGATCGAGGAGCTCCA
CATTCAATAAGTAAGTTGCCTTCTTTACTGCAATATTCTTTATTCTGCTGATCAGTTCCT
TTGGCTTTCTCGATATGGCAGCGGGCACCCAAATACCACTTCACTTTATTAAAAAGTTTGC
TTCTTCACAAAATTAGCGAACCCCTGGAGGTGAGGTGTTTCGTCTTCTCATTACCCTCC
TCGCCAACAATAAAATAATCAAATAGGGAGATTGGGAGCTCCCGTATTTTCTTGCGCTCG
TCTTCGGAAGGATTATTTCAGCGTGAACACCCACCTTTTATGTGGTTGGGGTCCGCTTCTT
CCATTCTTCTTGCTGGGCATGTTGCTGCTGAGGTGCTGCCGAGGTGCTGCCGCTGCCGAA
GTGCGCTGGTAATACTTACAGCGCACTTCTTTTCGTTTTTCAGCTATGACGTATCCAAGGAG
GCGTTACCGCAGAAGAAGACACCGCCCCCGCAGCCATCTTGCCAGATCCTCCGCCGCCG
CCCCTGGCTCGTCCACCCCCGCCACCGCTACCGTTGGAGAAGGAAAAATGGCATCTTCAA
CACCCGCTCTCCCGCACCTTCGGATATACTGTCAAGGCTACCACAGTCAGAACGCCCTC
CTGGGCGGTGGACATGATGAGATTTAATATTGACGACTTTGTTCCCCCGGGAGGGGGGAC
CAACAAAATCTCTATACCCTTTGAATACTACAGAATAAGAAAGGTTAAGGTTGAATTCTG
GCCCTGCTCCCCCATCACCCAGGGTGATAGGGGAGTGGGCTCCACTGCTGTTATTCTAGA
TGATAACTTTGTAACAAAGGCCACAGCCCTAACCTATGACCCATATGTAAACTACTCCTC
CCGCCATACAATCCCCCAACCCTTCTCCTACCACTCCCGTTACTTCACACCCAAACCTGT
TCTTGACTCCACCATTGATTACTTCCAACCAAATAACAAAAGGAATCAGCTTTTGATGAG
GCTACAAACCTCTAGAAATGTGGACCACGTAGGCCTCGGCACCTGCGTTTCGAAAACAGTAT
ATACGACCAGGACTACAATATCCGTGTAACCATGTATGTACAATTCAGAGAATTTAATCT
TAAAGACCCCCCACTTAAACCCTAAATGAATAATAAAAACCATTACGAAGTGATAAAAAA
GACTCAGTAATTTATTTTCATATGGAAATTTCAGGGCATGGGGGGGAAAGGGTGACGAACTG
GCCCCCTTCTCCGTGGATTGTTCTGTAGCATTCTTCCAAAATACCAAGAAAGTAATCCT
CCGATAGAGAGCTTCTACAGCTGGGACAGCAGTTGAGGAGTACCATTCACCGGGGTCTG
ATTGCTGGTAATCAGAATACTGCGGGCCAAAAAAGGTACAGTTCCACCTTTAGTCTCTAC
AGTCAATGGATATCGATCACACAGTCTCAGTAGATCATCCACGGCAGCCAGCCATAAAA
GTCATCAATAACAACCACTTCTTCACCATGGTAACCATCCCACCACTTGTTTCTAGGTGG
TTTCCAGTATGTGGTTTCCGGGTCTGCAAAATTAGCAGCCCATTTGCTTTTACCACACCC
AGGTGGCCCCACAATGACGTGTACATTGGTCTTCCAATCACGCTTCTGCATTTTCCCGCT
CACTTTCAAAAGTTCAGCCAGCCCCGCG

Fig. 9

GGTACCTCCGTGGATTGTTCTCCAGCAGTCTTCCAAAATTGCAAAGTAGTAATCCTCCGA
TAGAGAGCTTCTACAGCTGGGACAGCAGTTGAGGAGTACCATTCTTGGGGGGCCTGATTG
CTGGTAATCAAAATACTGCGGGCCAAAAAAGGAACAGTACCCCTTTAGTCTCTACAGTC
AATGGATACCGGTACACAGTCTCAGTAGATCATCCCAAGGTAACCAGCCATAAAAATCA
TCCAAAACAACAACTTCTTCTCCATGATATCCATCCCACCACTTATTTCTACTAGGCTTC
CAGTAGGTGTCCCTAGGCTCAGCAAAATTACGGGCCCCTGGCTCTTCCCACAACCGGGC
GGGCCCCTATGACGTGTACAGCTGTCTTCCAATCACGCTGCTGCATCTTCCCGCTCACT
TTCAAAAGTTCAGCCAGCCCGCGGAAATTTCTCACATACGTTACAGGAACTGCTCGGCT
ACAGTCACCAAAGACCCCGTCTCCAAAAGGGTACTCACAGCAGTAGACAGGTCGCTGCGC
TTCCCTTGGTTCCGCGGAGCTCCACACTCGATAAGTATGTGGCCTTCTTTACTGCAGTAT
TCTTTATTTCTGCTGGTTCGGTTCCTTTTCGCTTTCTCGATGTGGCAGCGGGCACCAAAATAC
CACTTCACCTTGTTAAAAGTCTGCTTCTTAGCAAAATTCGCAAACCCCTGGAGGTGAGGA
GTTCTACCCTCTTCCAAACCTTCCTCGCCACAAACAAAATAATCAAAAAGGGAGATTGGA
AGCTCCCGTATTTTGTTTTTCTCCTCCTCGGAAGGATTATTAAGGGTGAACACCCACCTC
TTATGGGGTTGCGGGCCGCTTTTCTTGCTTGGCATTTTCACTGACGCTGCCGAGGTGCTG
CCGCTGCCGAAGTGCGCTGGTAATACTACAGCAGCGCACTTCTTTCACTTTTATAGGATG
ACGTATCCAAGGAGGCGTTACCGCAGAAGAAGACACCGCCCCCGCAGCCATCTTGGCCAG
ATCCTCCGCCCGCCGCCCTGGCTCGTCCACCCCGCCACCGCTACCGTTGGAGAAGGAAA
AATGGCATCTTCAACACCCGCCTCTCCCGCACCTTCGGATATACTGTCAAGGCTACCACA
GTCAGAACGCCCTCCTGGGCGGTGGACATGATGAGATTTAATATTGACGACTTTGTTCCC
CCGGGAGGGGGGACCAACAAAATCTCTATACCCTTTGAATACTACAGAATAAGAAAGGTT
AAGGTTGAATTCTGGCCCTGCTCCCCCATCACCCAGGGTGATAGGGGAGTGGGCTCCACT
GCTGTTATTCTAGATGATAACTTTGTAACAAAGGCCACAGCCCTAACCTATGACCCATAT
GTAAACTACTCCTCCCGCCATACAATCCCCCAACCCTTCTCCTACCACTCCCGTTACTTC
ACACCCAAACCTGTTCTTGACTCCACCATTGATTACTTCCAACCAAATAACAAAAGGAAT
CAGCTTTGGATGAGGCTACAAACCTCTAGAAATGTGGACCACGTAGGCCTCGGCACCTGCG
TTCGAAAACAGTATATACGACCAGGACTACAATATCCGTGTAACCATGTATGTACAATTC
AGAGAATTTAATCTTAAAGACCCCCCACTTAAACCCTAAATGAATAAAAATAAAAACCAT
TACGATGTGATAACAAAAAAGACTCAGTAATTTATTTTATATGGGAAAAGGGCACAGGGT
GGGTCCACTGCTTCAATCGGCCTTCGGGTACC

Fig. 10

ATGACGTATCCAAGGAGGCGTTACCGCAGAAGAAGACACCGCCCCCGCAGCCATCTTGGC
CAGATCCTCCGCCGCCGCCCTGGCTCGTCCACCCCGCCACCGCTACCGTTGGAGAAGG
AAAAATGGCATCTTCAACACCCGCCCTCTCCCGCACCTTCGGATATACTGTCAAGGCTACC
ACAGTCAGAACGCCCTCCTGGGCGGTGGACATGATGAGATTTAATATTGACGACTTTGTT
CCCCCGGAGGGGGGACCAACAAAATCTCTATACCCTTTGAATACTACAGAATAAGAAAG
GTTAAGGTTGAATTCTGGCCCTGCTCCCCCATCACCCAGGGTGATAGGGGAGTGGGCTCC
ACTGCTGTTATTCTAGATGATAACTTTGTAACAAAGGCCACAGCCCTAACCTATGACCCA
TATGTAAACTACTCCTCCCGCCATACAATCCCCCAACCCTTCTCCTACCACTCCCGTTAC
TTCACACCCAAACCTGTTCTTGACTCCACCATTGATTACTTCCAACCAAATAACAAAAGG
AATCAGCTTTGGATGAGGCTACAAACCTCTAGAAATGTGGACCACGTAGGCCTCGGCACT
GCGTTCGAAAACAGTATATACGACCAGGACTACAATATCCGTGTAACCATGTATGTACAA
TTCAGAGAATTTAATCTTAAAGACCCCCCACTTAAACCCTAA

Fig. 11

MTYPRRRYRRRRHRPRSHLGQILRRRPWLVHPRHRYRWRKNGIFNTRLSRTFGYTVKAT
TVRTPSWAVDMMRFNIDDFVPPGGGTNKISIPFEYYRIRKVKVEFWPCSPITQGDRGVGS
TAVILDDNFVTKATALTYDPYVNYSSRHTIPQPFYSYHSRYFTPKPVL DSTIDYFQPNNKR
NQLWMRLQTSRNV DHVGLGTAFENSIYDQDYNIRVTMYVQFREFNLKDPPLKP*

*translation termination codon

Fig. 12

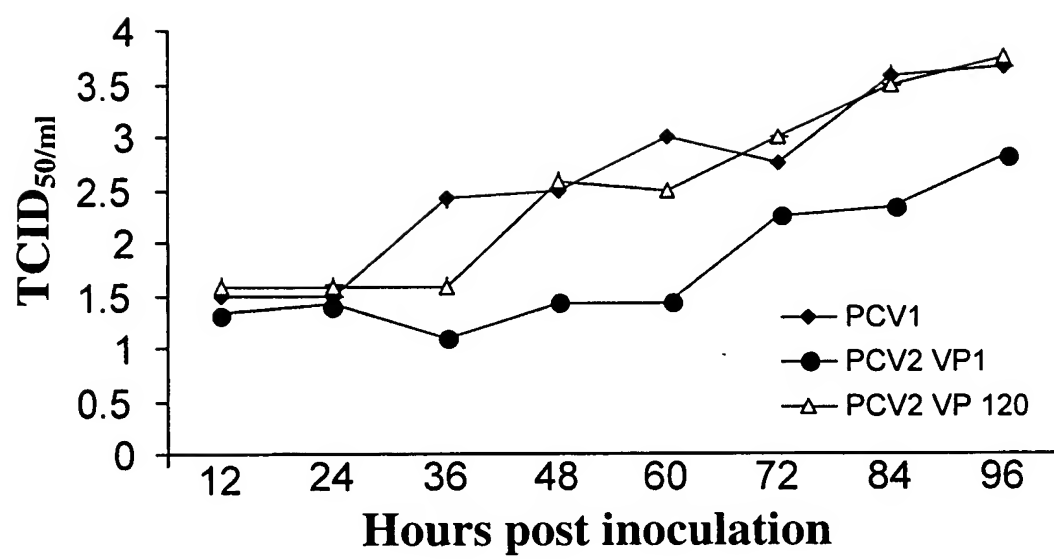


Fig. 13

110	191	
P	R	VP 0
A	R	VP 30
A	R	VP 60
A	R	VP 90
A	S	VP 120
P	R	PCV2: US & Canada
P	G/A	PCV2: Canada, France, Spain, Germany & Taiwan
P	T	PCV1

